

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
 Data File : BM004690.D
 Acq On : 18 Mar 2016 20:45
 Operator : UM/SJ
 Sample : MDL-01-W
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Manual Integrations
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 3/21/2016 2:43:23 PM

Quant Time: Mar 21 01:26:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 19 07:50:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	28453	5.00	ng	0.00
6) Naphthalene-d8	10.63	136	112941	5.00	ng	0.00
10) Acenaphthene-d10	14.47	164	58660	5.00	ng	0.00
16) Phenanthrene-d10	17.20	188	128756	5.00	ng	-0.02
22) Chrysene-d12	21.40	240	124432	5.00	ng	0.01
28) Perylene-d12	23.69	264	114864	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	47288	7.20	ng	0.00
5) Phenol-d6	6.99	99	57292	7.12	ng	0.00
7) Nitrobenzene-d5	8.99	82	21182	3.89	ng	0.00
11) 2,4,6-Tribromophenol	15.96	330	16148	8.30	ng	0.00
12) 2-Fluorobiphenyl	13.09	172	77967	4.65	ng	0.00
24) Terphenyl-d14	19.83	244	72306	4.60	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	292	0.03	ng	# 76
3) n-Nitrosodimethylamine	3.66	42	149	0.05	ng	# 90
8) Naphthalene	10.66	128	1614	0.05	ng	# 87
9) 2-Methylnaphthalene	12.28	142	1015	0.05	ng	# 90
13) Acenaphthylene	14.18	152	1292	0.04	ng	98
14) Acenaphthene	14.51	154	1149	0.06	ng	90
15) Fluorene	15.51	166	1199	0.05	ng	# 98
17) Hexachlorobenzene	16.51	284	319	0.04	ng	# 100
18) Pentachlorophenol	16.87	266	250	0.18	ng	# 88
19) Phenanthrene	17.25	178	2253	0.04	ng	# 93
20) Anthracene	17.33	178	1554	0.04	ng	98
21) Fluoranthene	19.27	202	2178	0.04	ng	98
23) Pyrene	19.63	202	2333	0.05	ng	97
25) Benzo(a)anthracene	21.38	228	2509m	0.05	ng	
26) Chrysene	21.42	228	2322m	0.06	ng	
27) Indeno(1,2,3-cd)pyrene	26.02	276	2175	0.05	ng	98
29) Benzo(b)fluoranthene	22.99	252	2207	0.05	ng	# 74
30) Benzo(k)fluoranthene	23.05	252	2213	0.05	ng	# 74
31) Benzo(a)pyrene	23.59	252	1967	0.05	ng	# 68
32) Dibenzo(a,h)anthracene	26.04	278	1723	0.05	ng	# 78
33) Benzo(g,h,i)perylene	26.73	276	1936	0.05	ng	# 87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

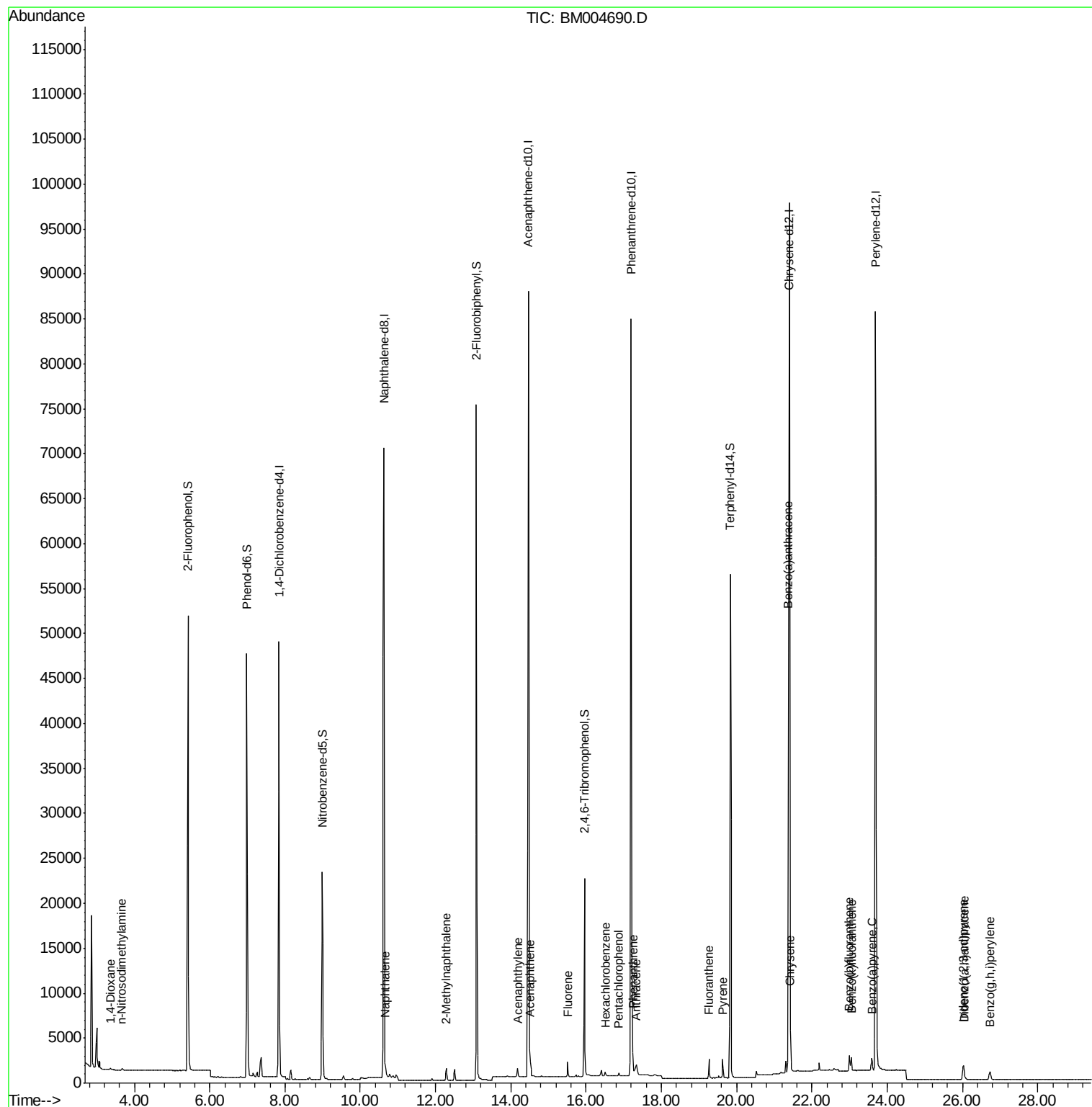
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031816\
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ALS Vial : 11 Sample Multiplier: 1

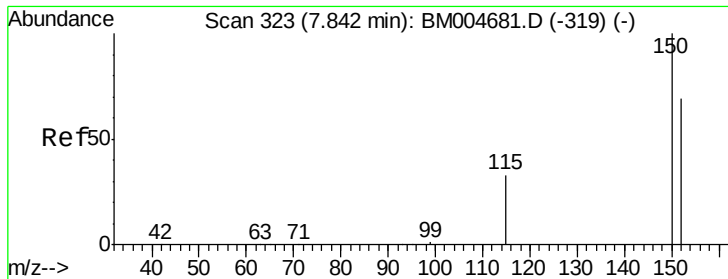
Instrument :
BNA_M
ClientSampleId :
MDL-01-W

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 323

Delta R.T. 0.00 min

Lab File: BM004690.D

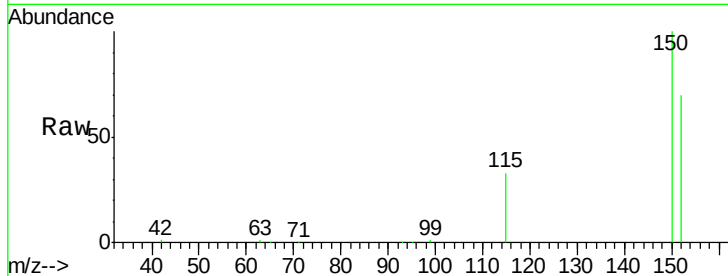
Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-W



Tgt Ion:152 Resp: 28453

Ion Ratio Lower Upper

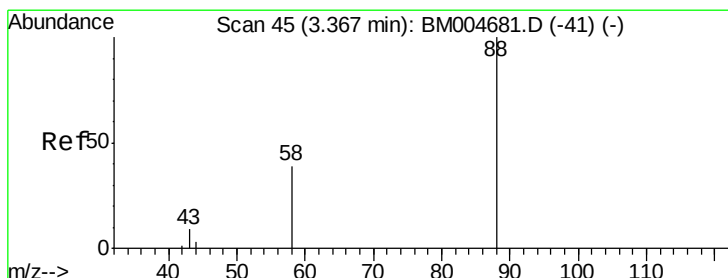
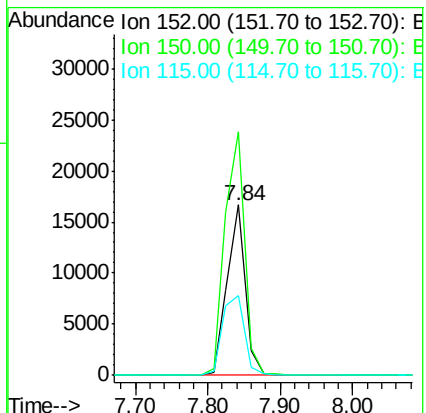
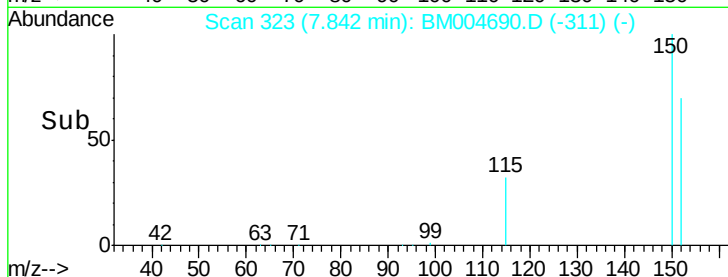
152 100

150 143.1 115.9 173.9

115 46.7 38.4 57.6

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#2

1,4-Dioxane

Concen: 0.03 ng

RT: 3.37 min Scan# 45

Delta R.T. 0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

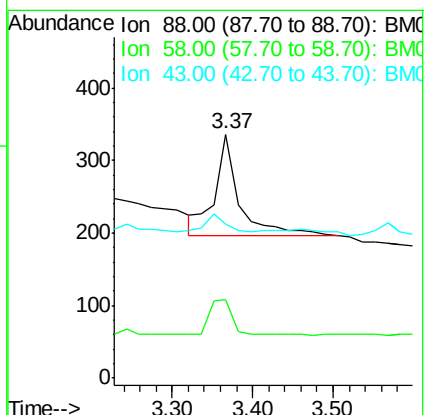
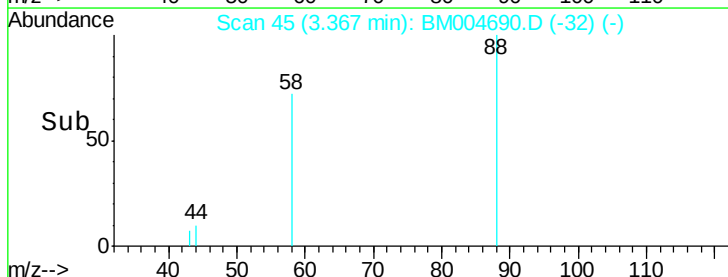
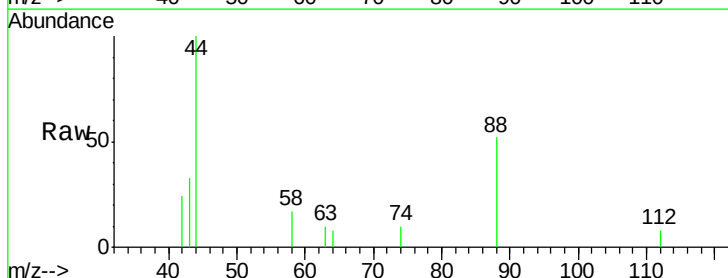
Tgt Ion: 88 Resp: 292

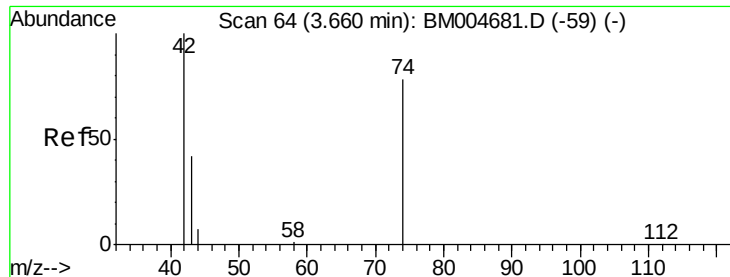
Ion Ratio Lower Upper

88 100

58 36.3 43.9 65.9#

43 14.0 19.9 29.9#





#3

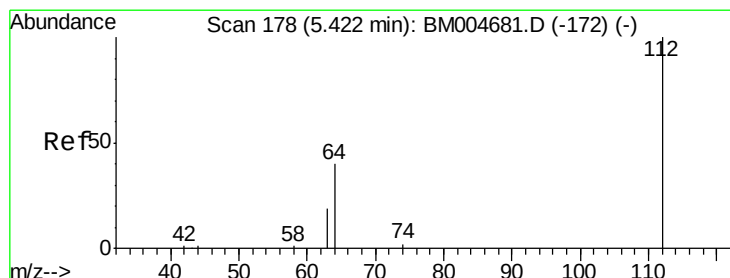
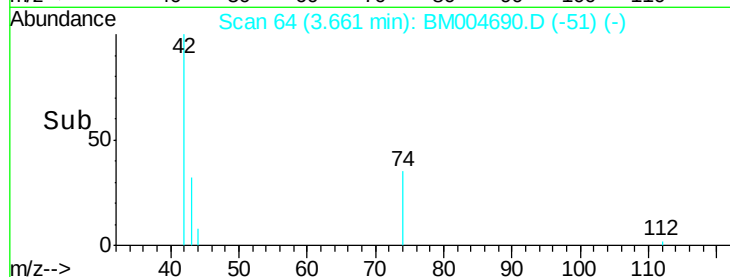
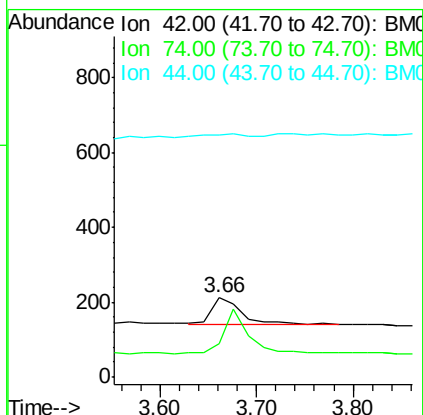
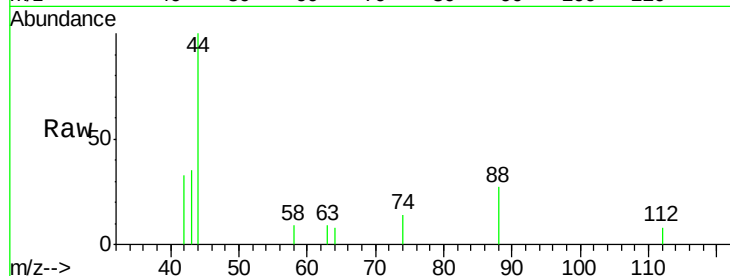
n-Nitrosodimethylamine
Concen: 0.05 ng
RT: 3.66 min Scan# 64
Delta R.T. 0.00 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
42	100		
74	141.6	120.9	181.3
44	32.2	6.0	9.0#

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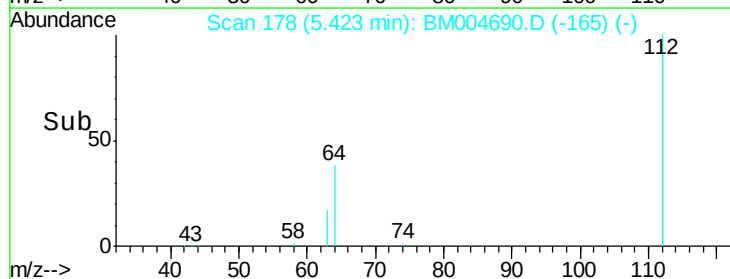
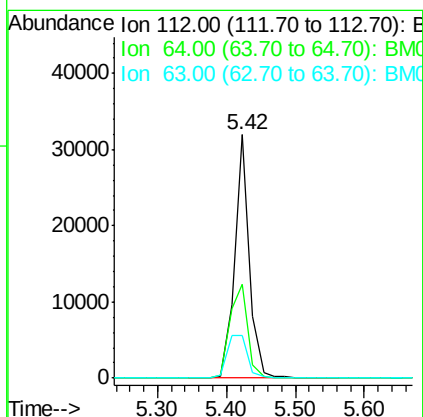
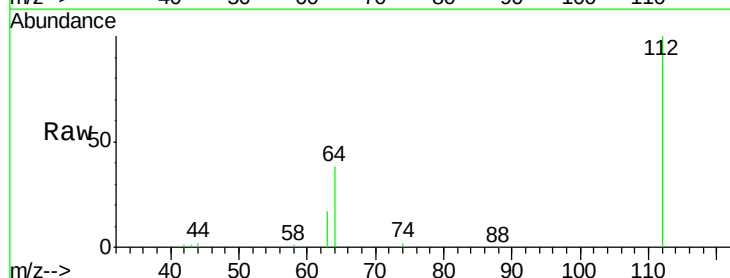
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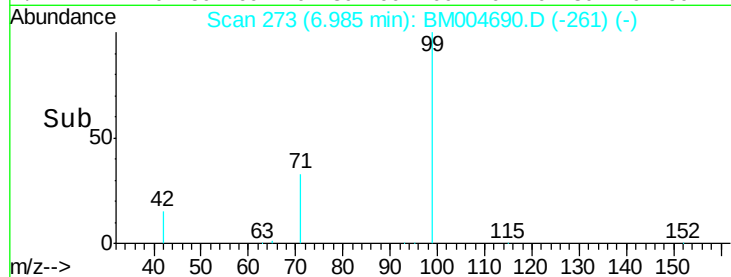
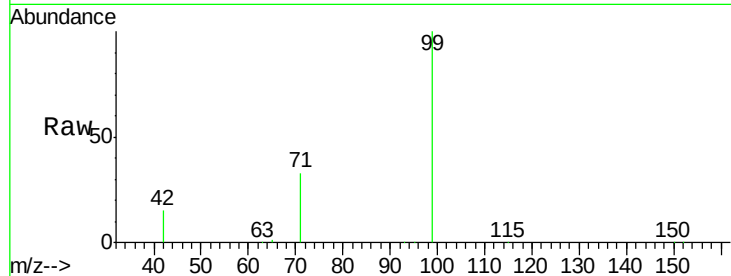
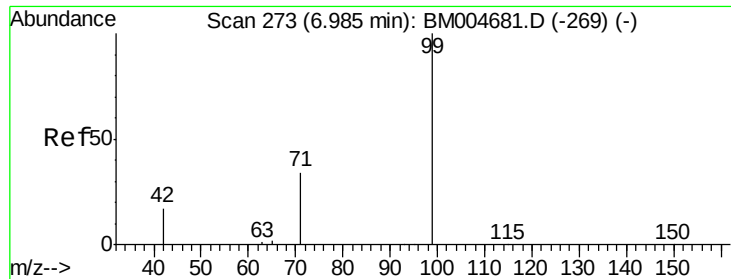


#4

2-Fluorophenol
Concen: 7.20 ng
RT: 5.42 min Scan# 178
Delta R.T. 0.00 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.4	37.0	55.6
63	23.8	19.3	28.9





#5

Phenol-d6

Concen: 7.12 ng

RT: 6.99 min Scan# 273

Delta R.T. 0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion:	99	Resp:	57292
Ion Ratio	Lower	Upper	
99	100		
42	14.3	12.7	19.1
71	28.2	22.9	34.3

Instrument :

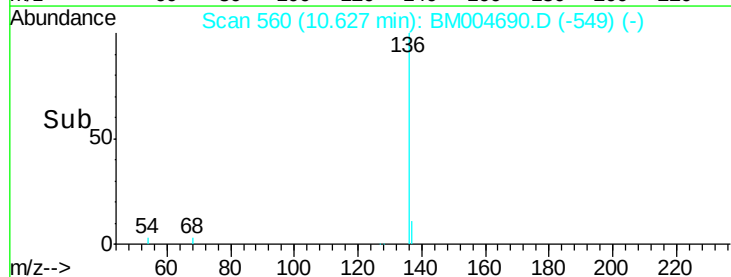
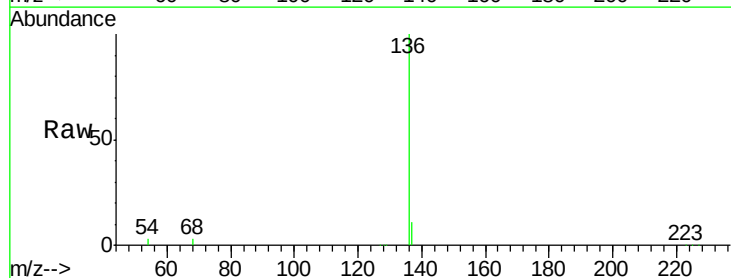
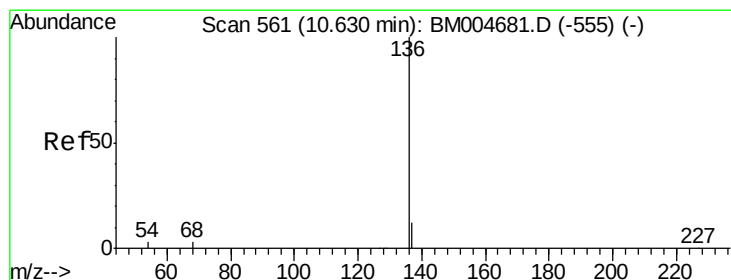
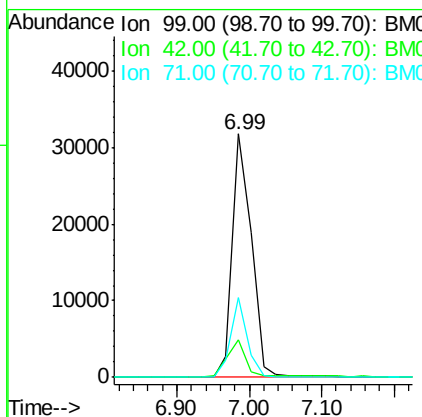
BNA_M

ClientSampleId :

MDL-01-W

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#6

Naphthalene-d8

Concen: 5.00 ng

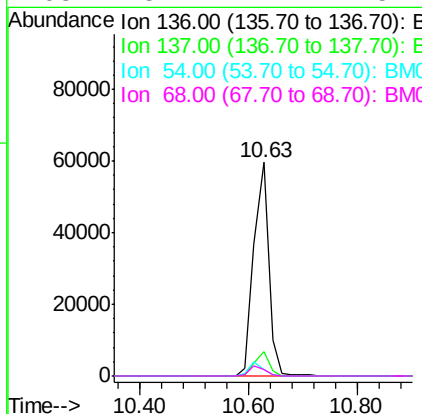
RT: 10.63 min Scan# 560

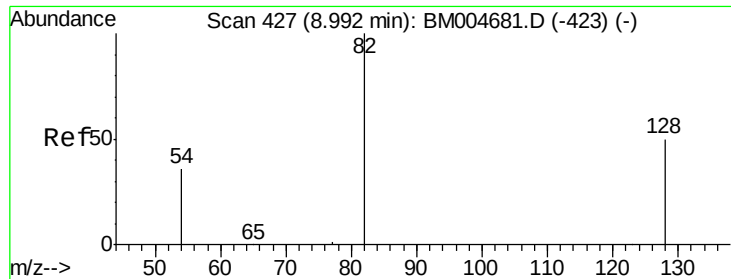
Delta R.T. -0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion:	136	Resp:	112941
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.2
54	3.3	2.2	3.4
68	3.2	2.2	3.4





#7

Nitrobenzene-d5

Concen: 3.89 ng

RT: 8.99 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

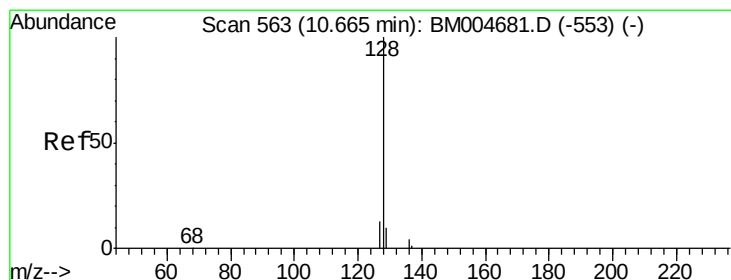
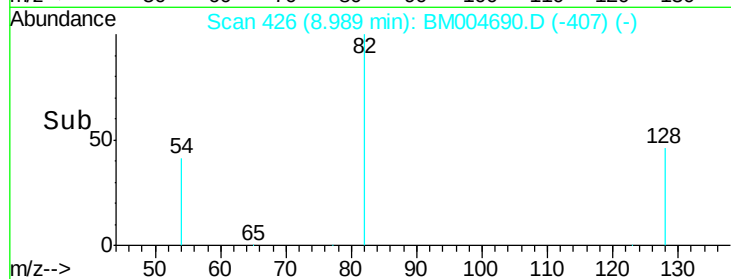
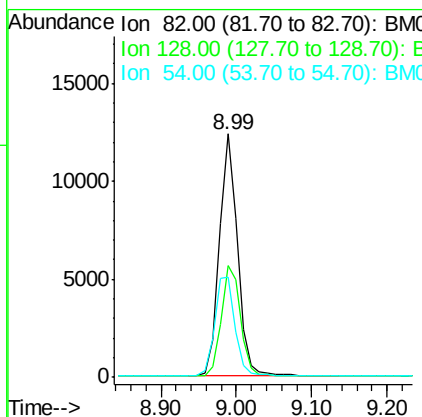
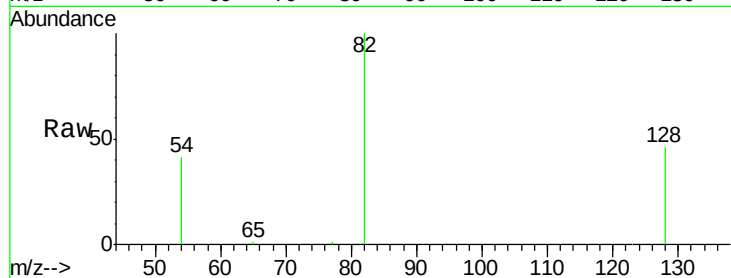
ClientSampleId :

MDL-01-W

Tgt Ion:	82	Resp:	21182
Ion Ratio	Lower	Upper	
82	100		
128	46.0	41.8	62.8
54	41.2	32.9	49.3

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#8

Naphthalene

Concen: 0.05 ng

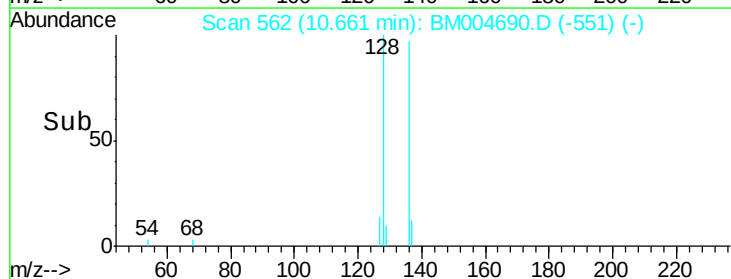
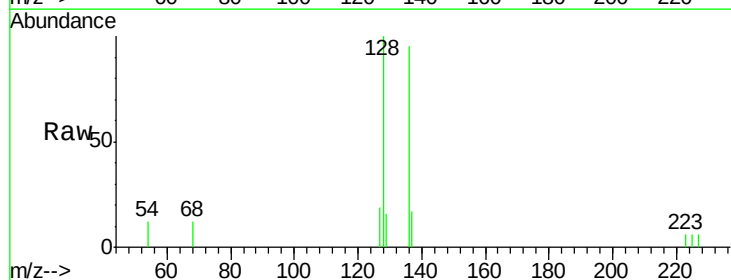
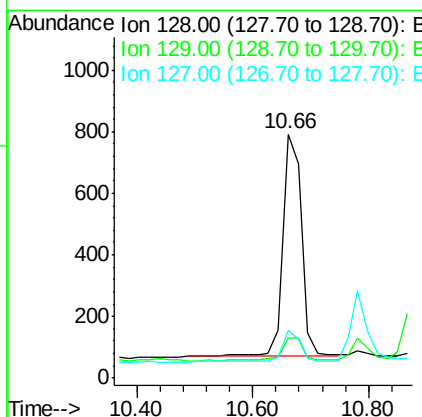
RT: 10.66 min Scan# 562

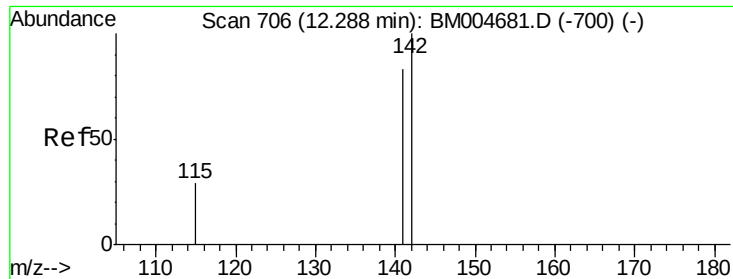
Delta R.T. -0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion:	128	Resp:	1614
Ion Ratio	Lower	Upper	
128	100		
129	16.4	8.9	13.3#
127	19.3	11.3	16.9#





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.28 min Scan# 705

Delta R.T. -0.00 min

Lab File: BM004690.D

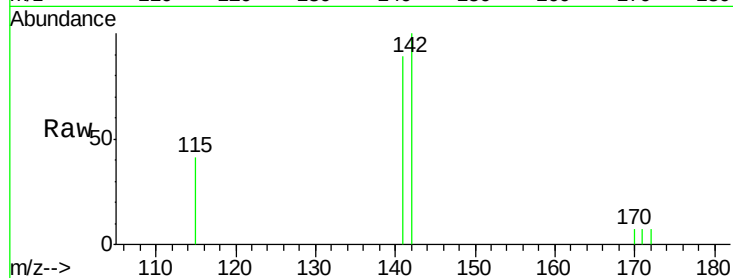
Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

ClientSampleId :

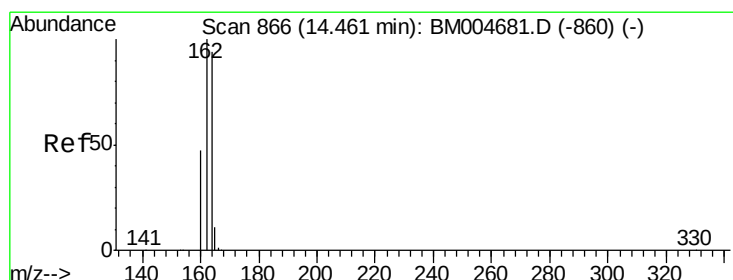
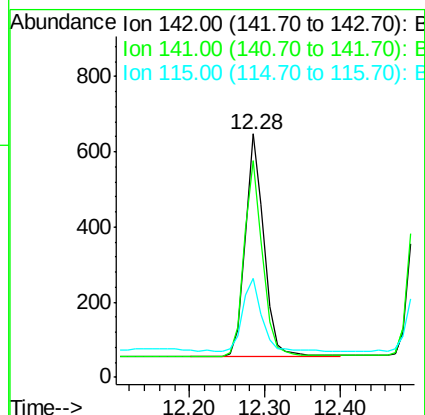
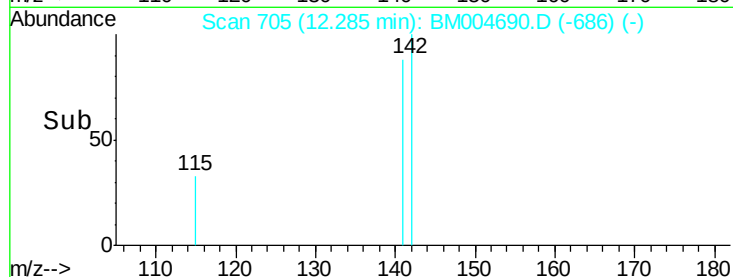
MDL-01-W



Tgt Ion:	142	Resp:	1015
Ion Ratio	Lower	Upper	
142	100		
141	89.0	66.2	99.2
115	40.6	23.8	35.8#

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#10

Acenaphthene-d10

Concen: 5.00 ng

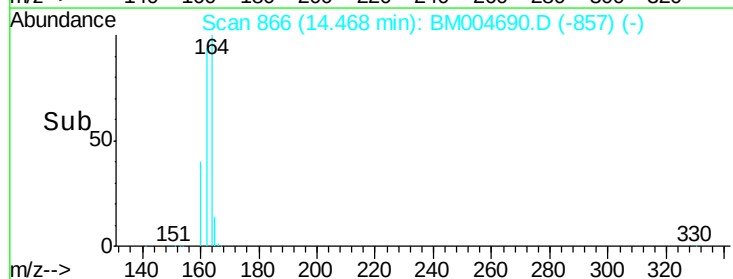
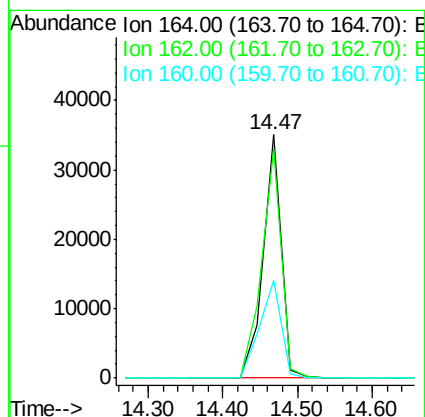
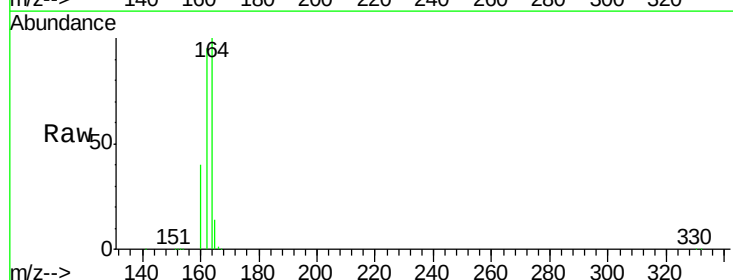
RT: 14.47 min Scan# 866

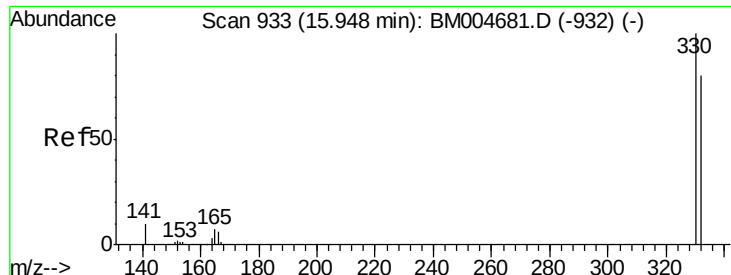
Delta R.T. 0.01 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion:	164	Resp:	58660
Ion Ratio	Lower	Upper	
164	100		
162	94.5	85.4	128.0
160	40.2	40.2	60.2





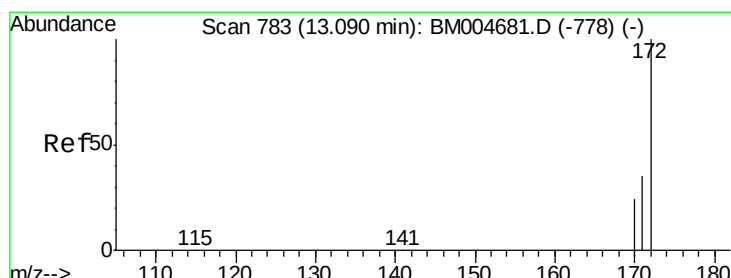
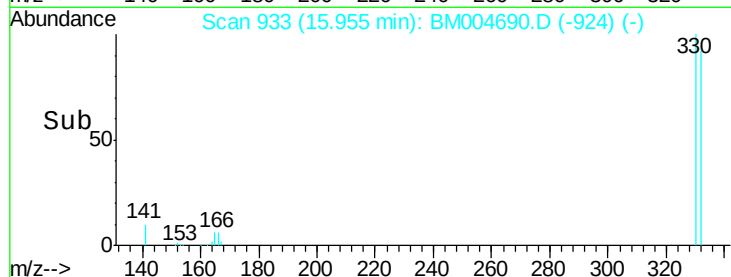
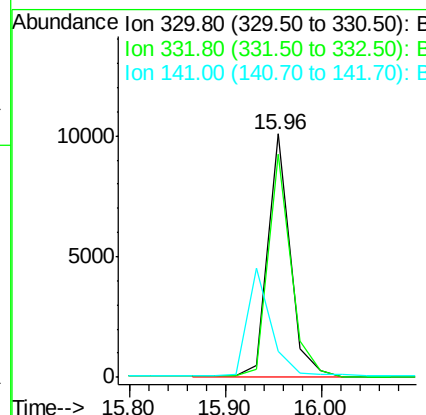
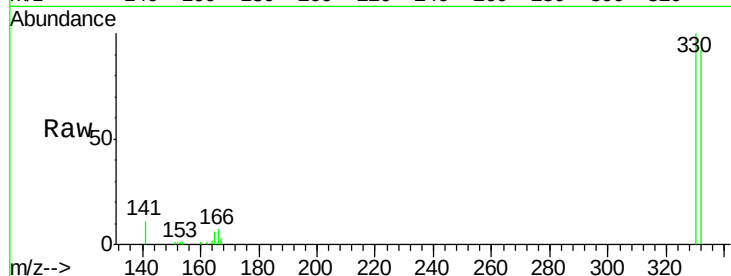
#11
 2,4,6-Tribromophenol
 Concen: 8.30 ng
 RT: 15.96 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Instrument :
 BNA_M
 ClientSampled :
 MDL-01-W

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	93.9	140.9#
141	0.0	42.2	63.2#

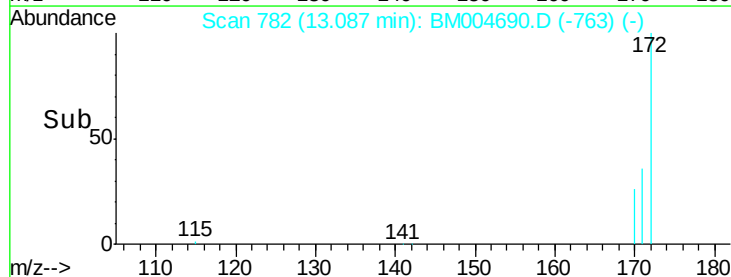
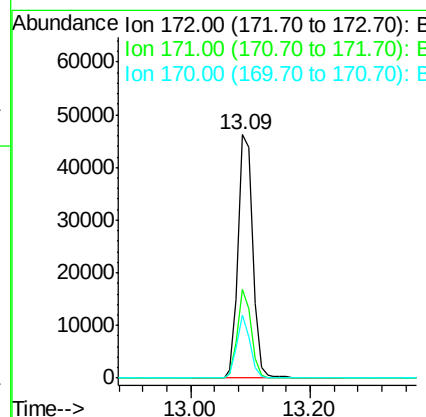
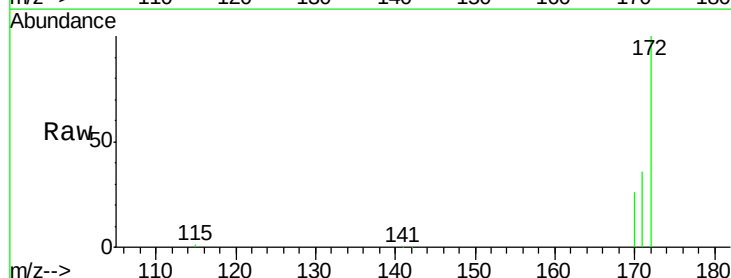
Manual Integrations
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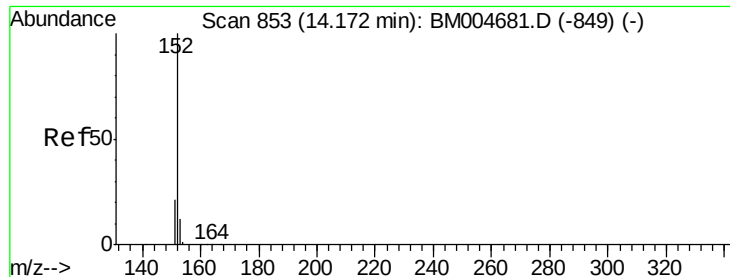
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#12
 2-Fluorobiphenyl
 Concen: 4.65 ng
 RT: 13.09 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.2
170	25.8	19.4	29.2





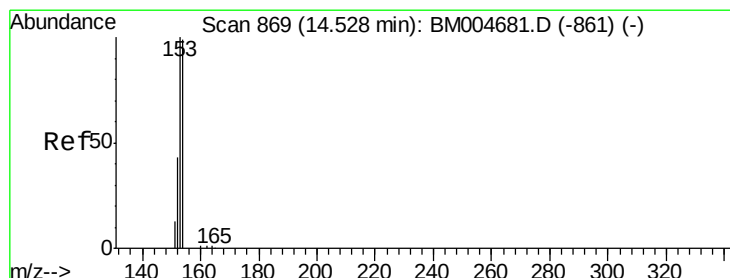
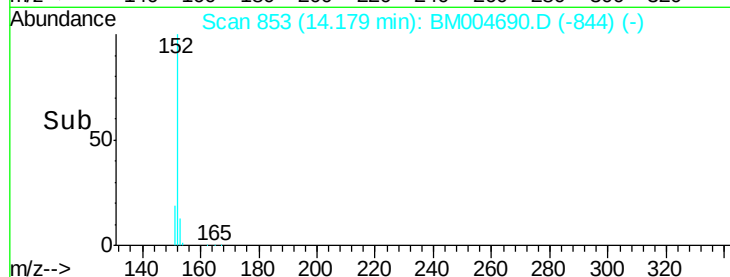
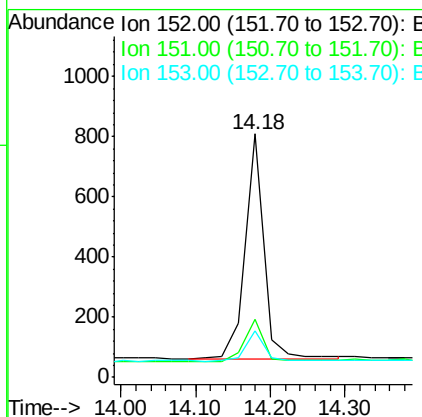
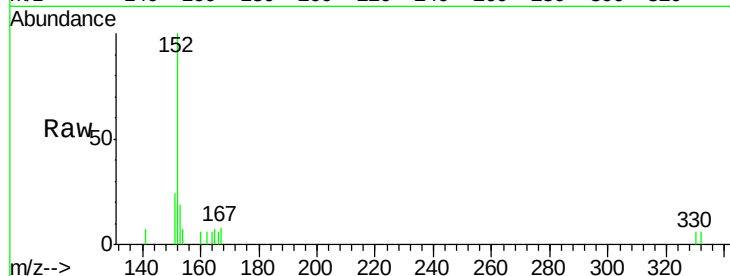
#13
Acenaphthylene
Concen: 0.04 ng
RT: 14.18 min Scan# 853
Delta R.T. 0.01 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampled :
MDL-01-W

Tgt Ion:	152	Resp:	1292
Ion Ratio	Lower	Upper	
152	100		
151	18.7	15.8	23.6
153	13.1	10.2	15.2

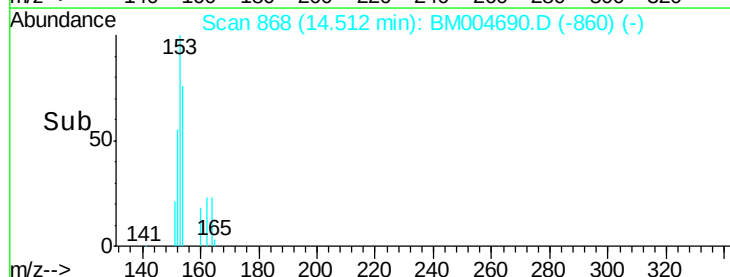
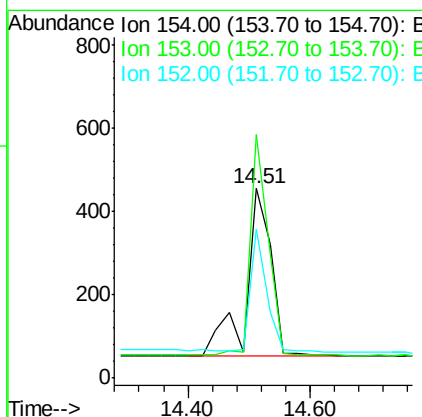
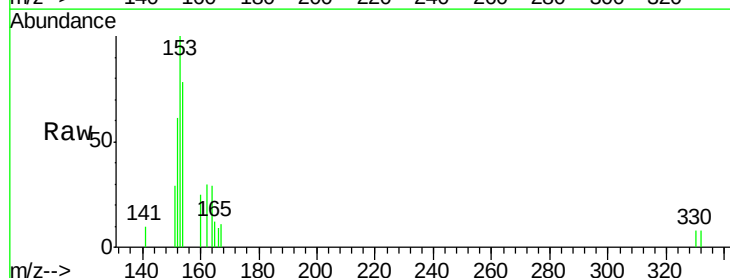
Manual Integrations
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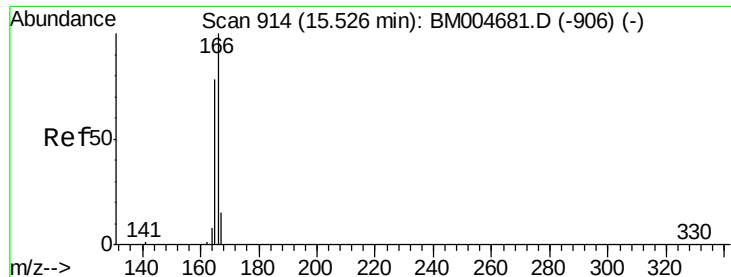
mohammad
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#14
Acenaphthene
Concen: 0.06 ng
RT: 14.51 min Scan# 868
Delta R.T. -0.02 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion:	154	Resp:	1149
Ion Ratio	Lower	Upper	
154	100		
153	92.3	83.8	125.6
152	47.5	40.3	60.5





#15

Fluorene

Concen: 0.05 ng

RT: 15.51 min Scan# 913

Delta R.T. -0.02 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

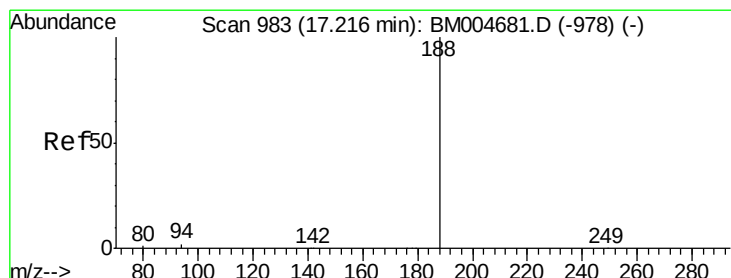
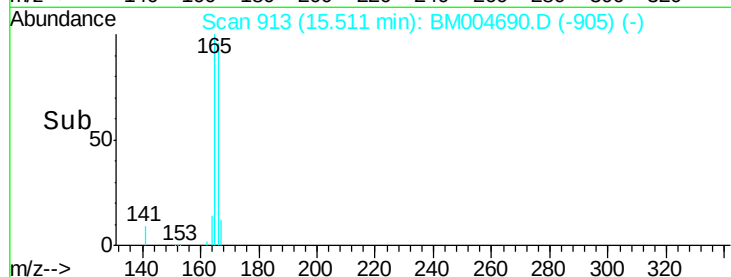
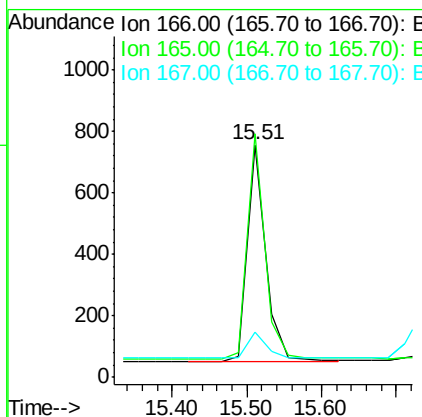
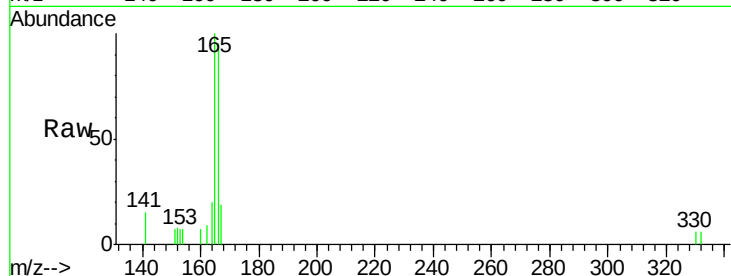
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	0.0	0.0#
167	12.5	10.6	15.8

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#16

Phenanthrene-d10

Concen: 5.00 ng

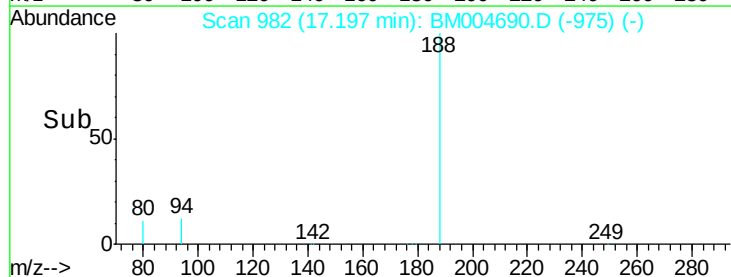
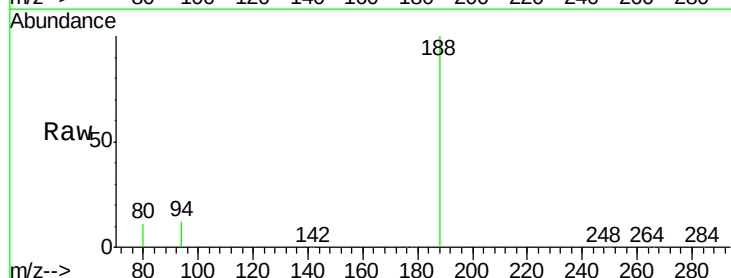
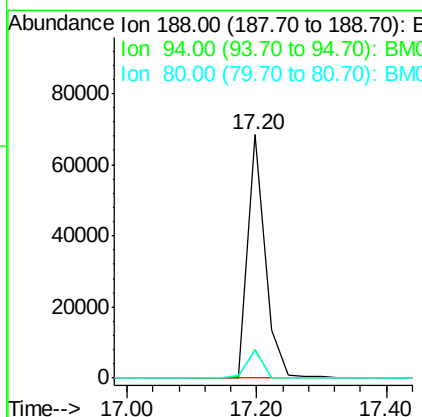
RT: 17.20 min Scan# 982

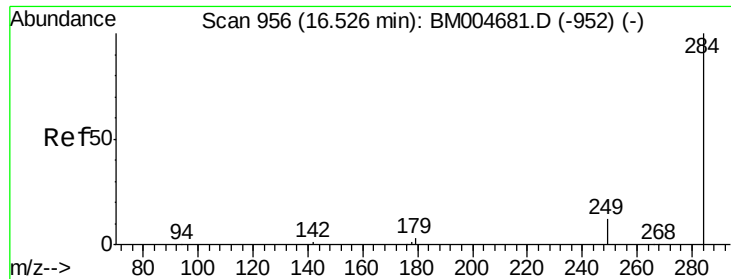
Delta R.T. -0.02 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	1.4	2.0#
80	11.2	1.0	1.6#





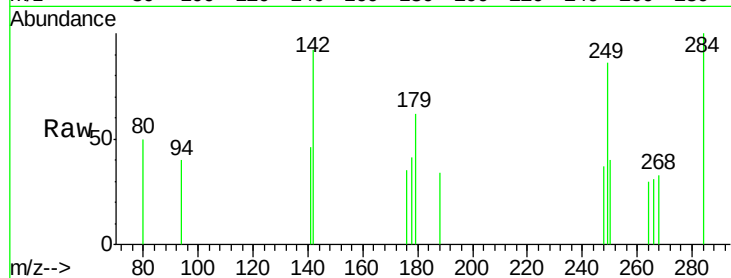
#17
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.51 min Scan# 955
Delta R.T. -0.02 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

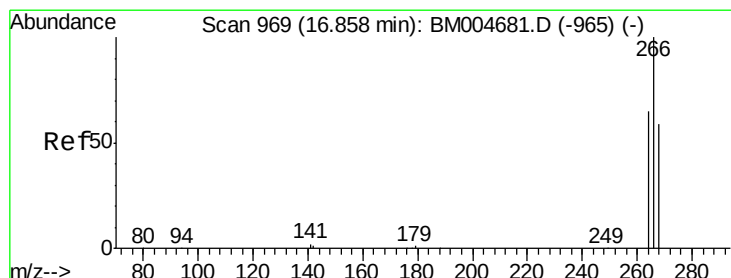
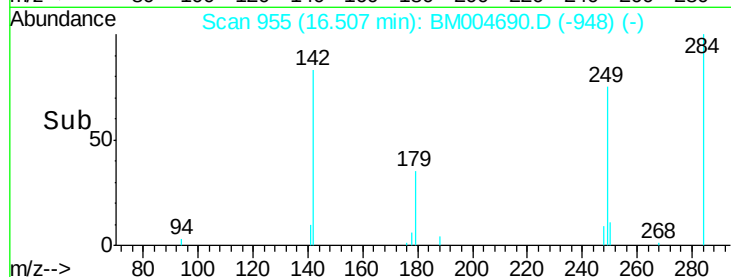
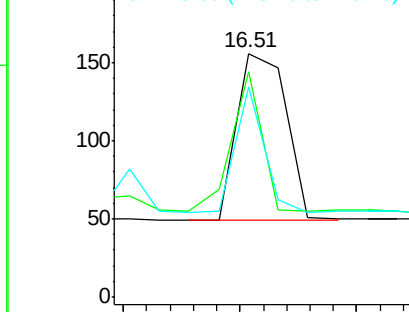
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	49.8	0.0	0.0#
249	43.3	0.0	0.0#

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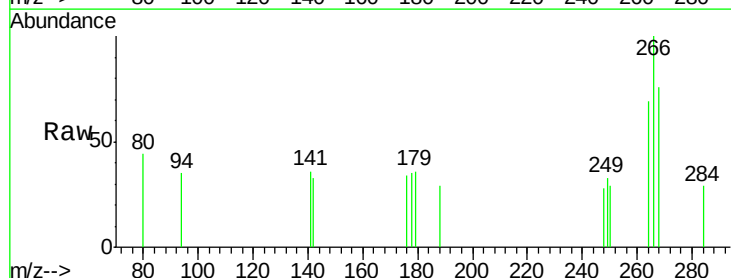


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

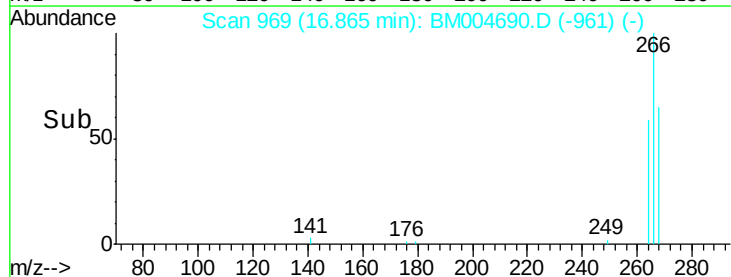
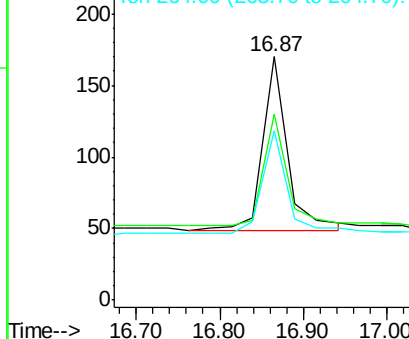


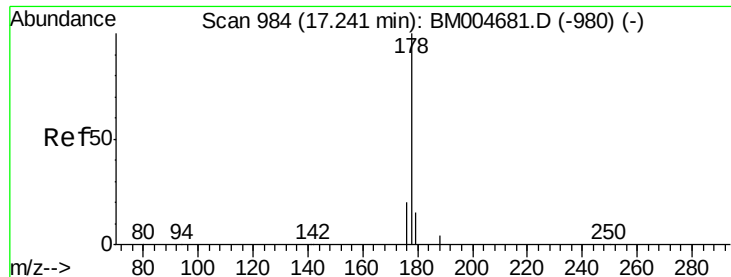
#18
Pentachlorophenol
Concen: 0.18 ng
RT: 16.87 min Scan# 969
Delta R.T. 0.01 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	76.5	49.1	73.7#
264	69.4	52.9	79.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





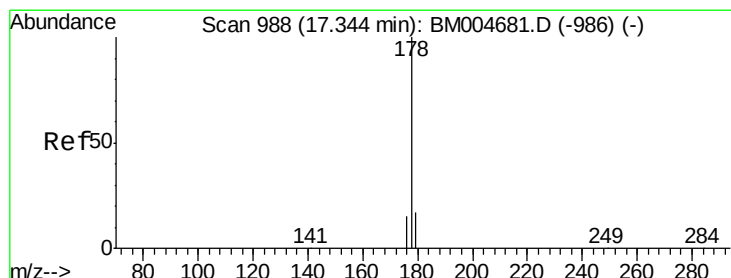
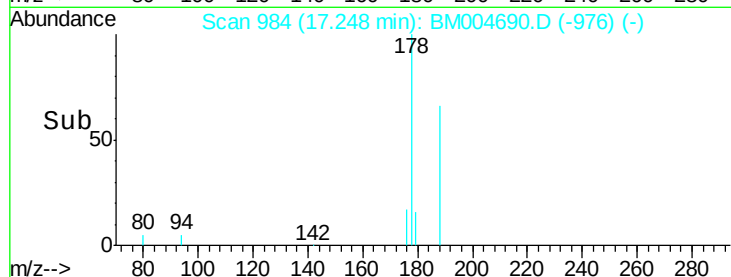
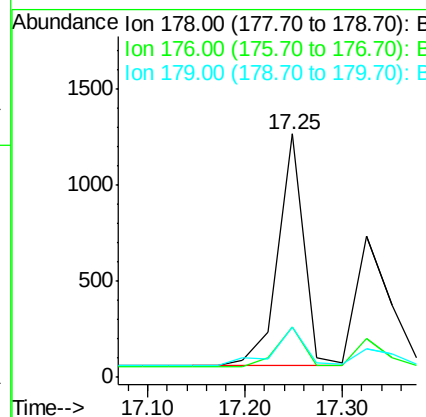
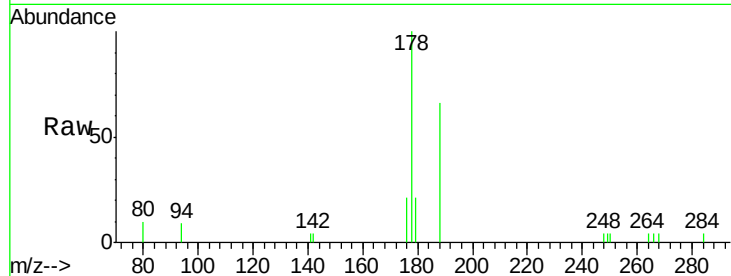
#19
Phenanthrene
Concen: 0.04 ng
RT: 17.25 min Scan# 984
Delta R.T. 0.01 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	20.6	12.2	18.4

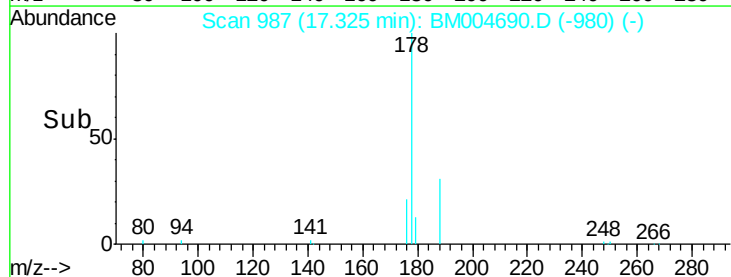
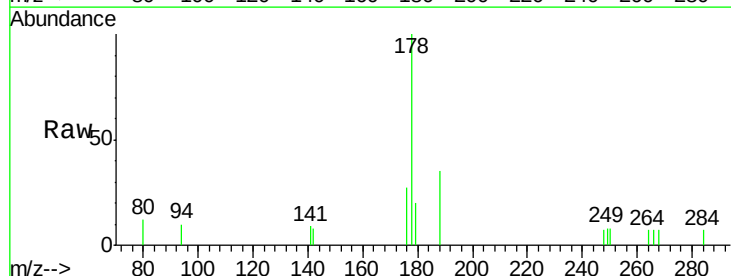
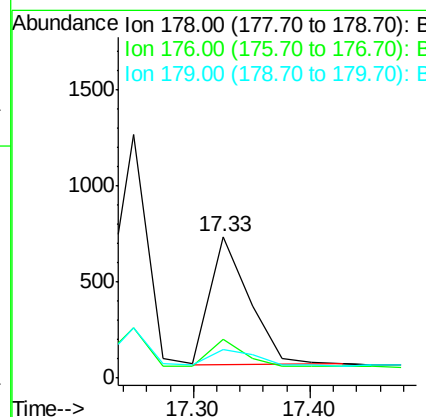
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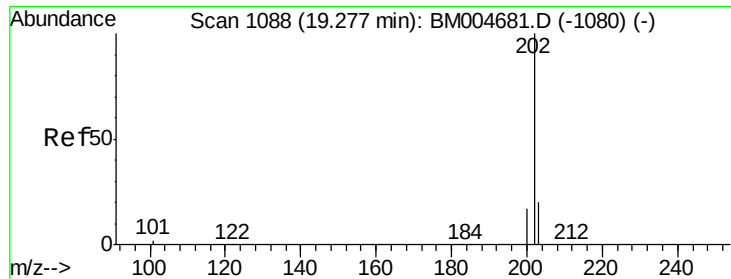
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#20
Anthracene
Concen: 0.04 ng
RT: 17.33 min Scan# 987
Delta R.T. -0.02 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.5	21.7
179	14.9	12.6	18.8





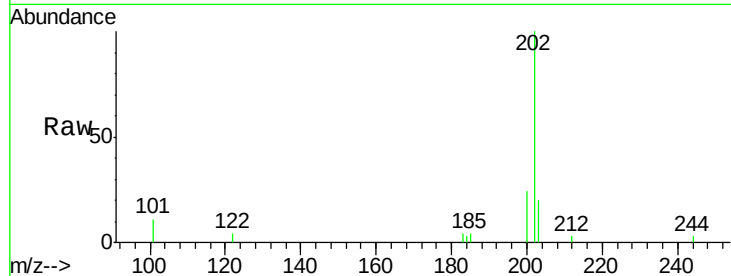
#21
 Fluoranthene
 Concen: 0.04 ng
 RT: 19.27 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

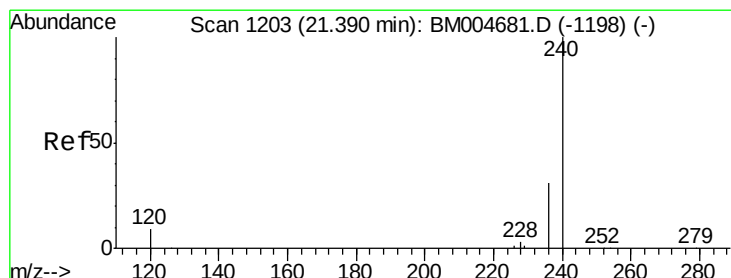
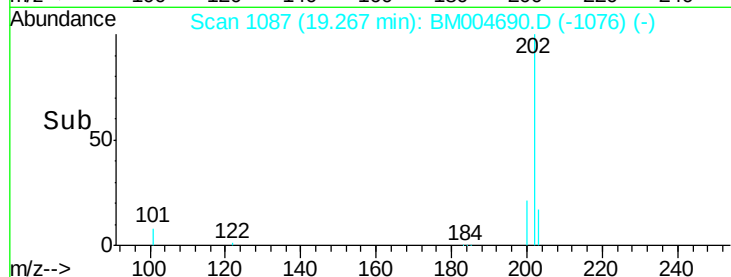
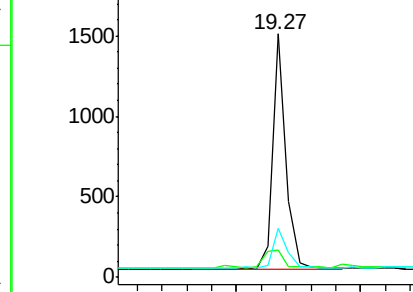
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2178		
101	10.4	8.7	13.1	
203	18.8	14.1	21.1	

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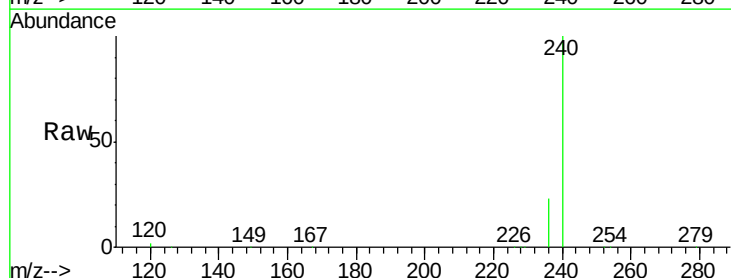


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

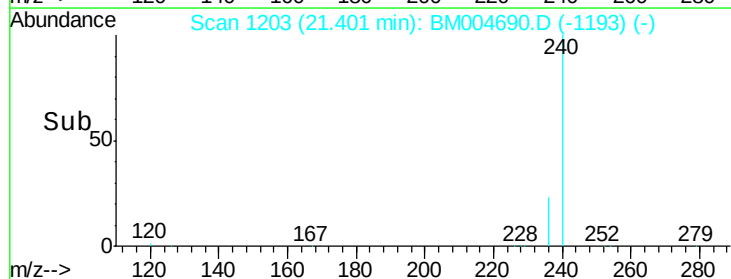
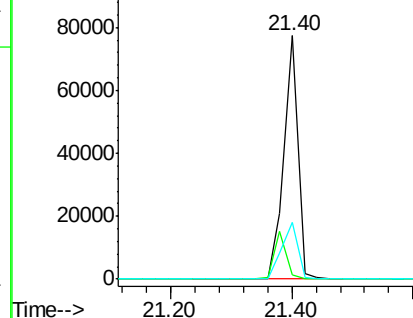


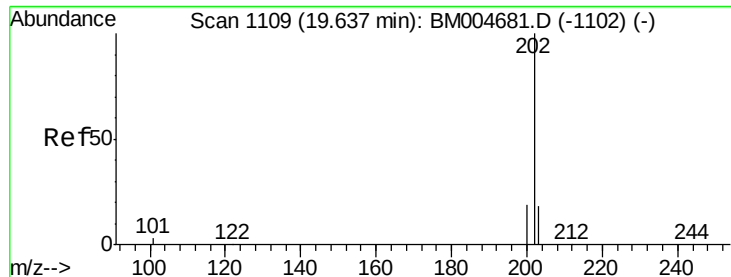
#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 1203
 Delta R.T. 0.01 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	124432		
120	1.5	7.4	11.2#	
236	23.3	24.5	36.7#	



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





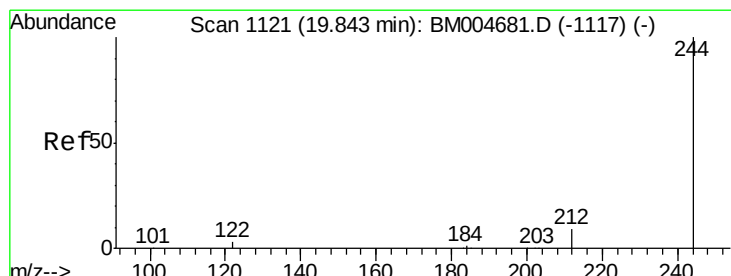
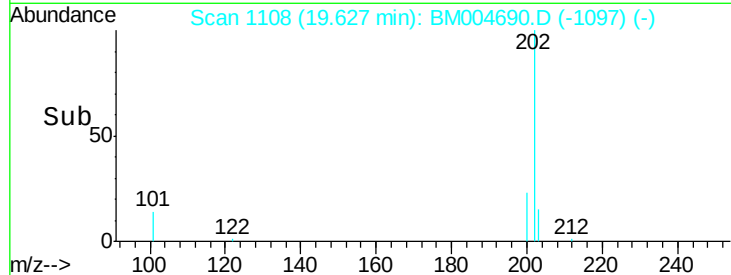
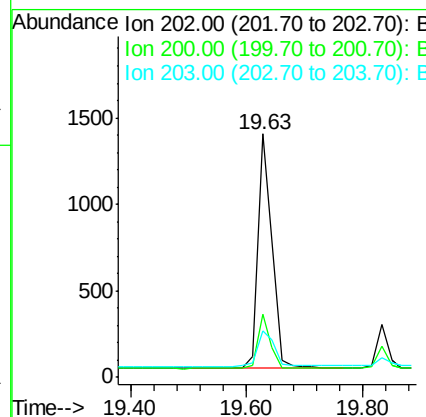
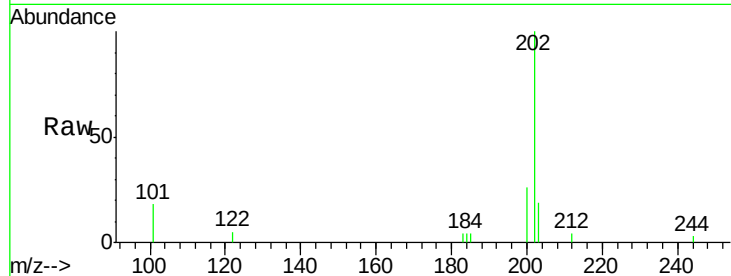
#23
 Pyrene
 Concen: 0.05 ng
 RT: 19.63 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Tgt Ion:	202	Resp:	2333
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	19.8	13.9	20.9

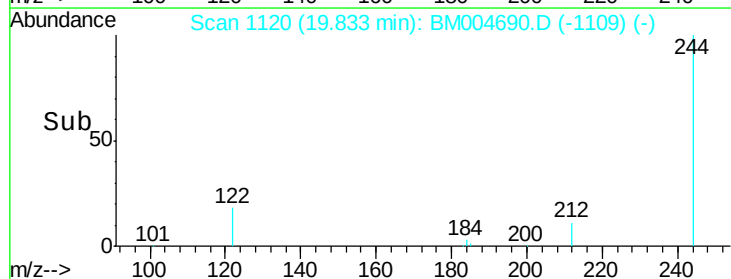
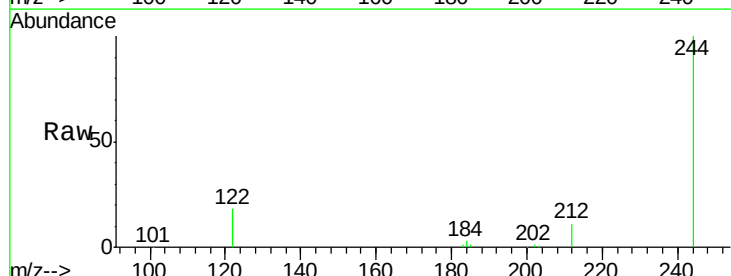
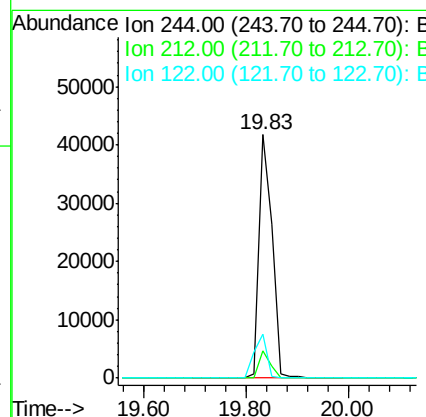
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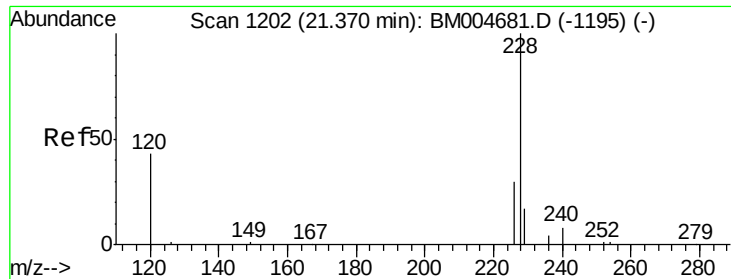
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#24
 Terphenyl-d14
 Concen: 4.60 ng
 RT: 19.83 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Tgt Ion:	244	Resp:	72306
Ion Ratio	Lower	Upper	
244	100		
212	11.3	7.7	11.5
122	18.3	3.4	5.0#





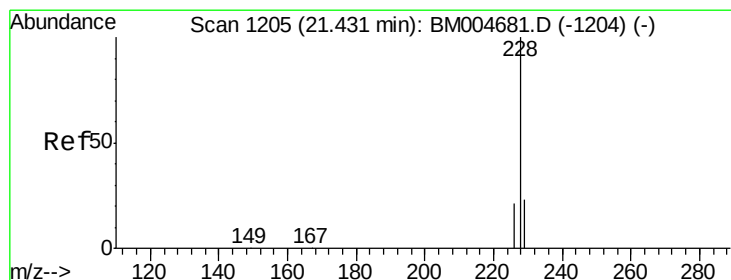
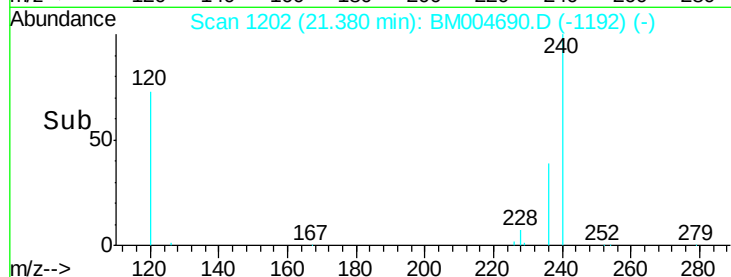
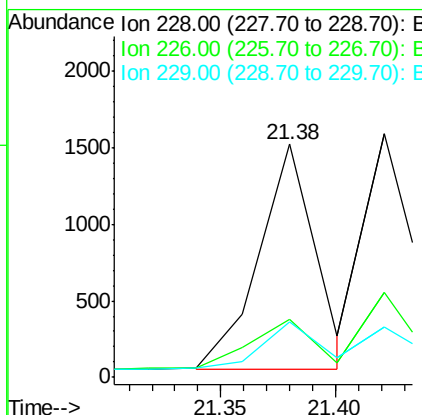
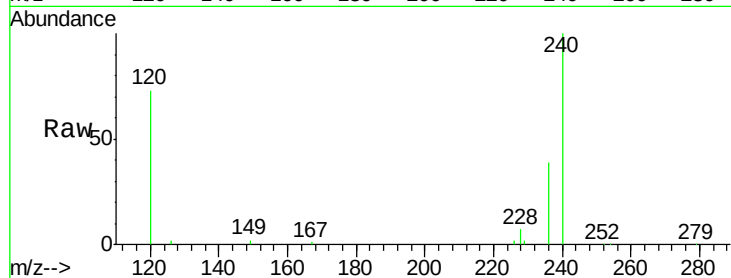
#25
Benzo(a)anthracene
Concen: 0.05 ng m
RT: 21.38 min Scan# 1202
Delta R.T. 0.01 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.7	24.2	36.2
229	24.0	14.2	21.2

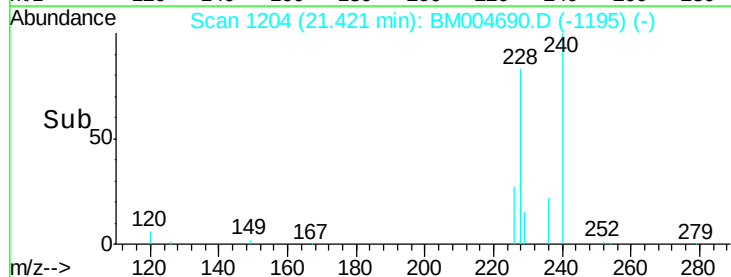
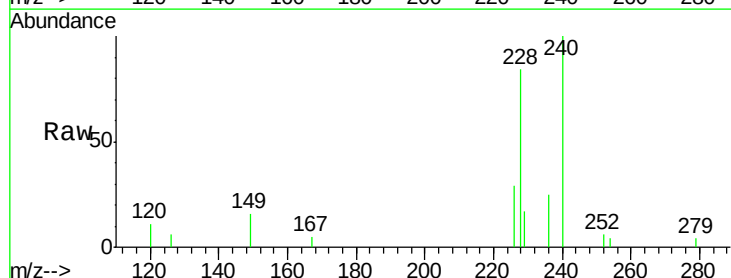
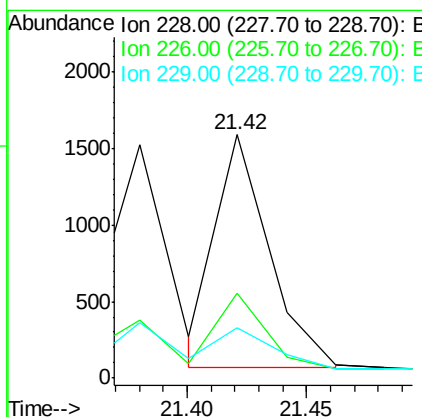
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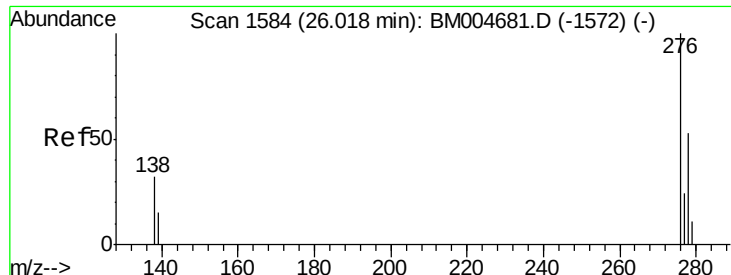
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#26
Chrysene
Concen: 0.06 ng m
RT: 21.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.1	20.9	31.3
229	20.4	17.4	26.2





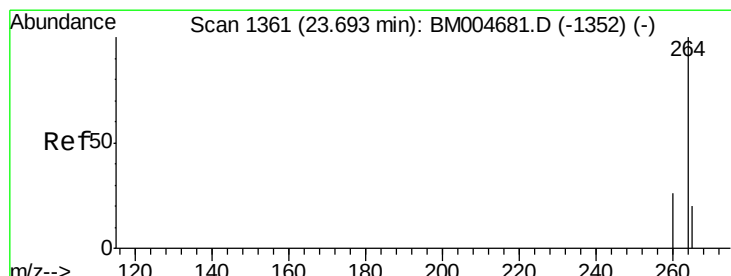
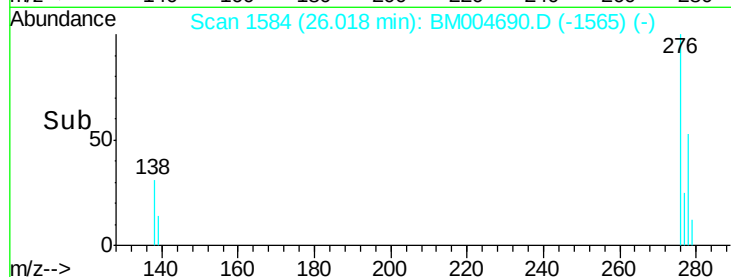
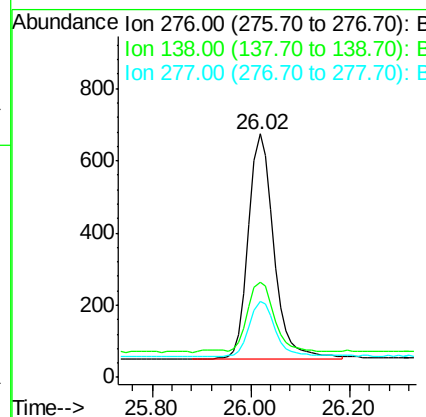
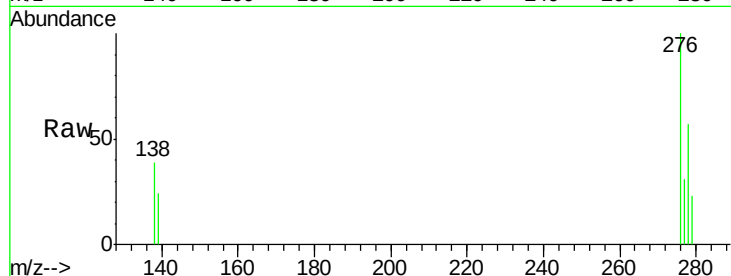
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.02 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Instrument :
 BNA_M
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.9	38.9
277	25.1	19.8	29.6

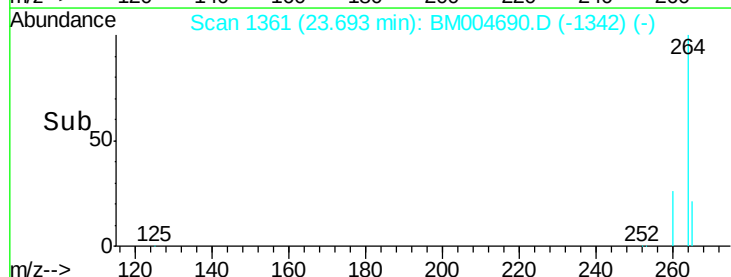
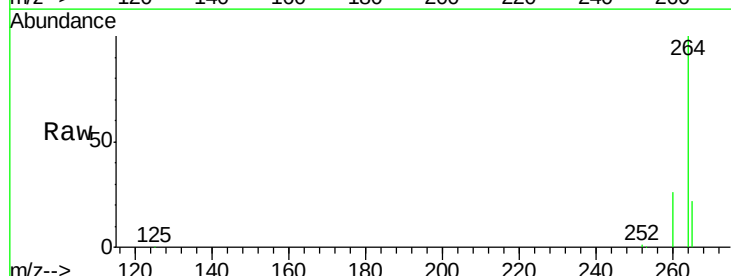
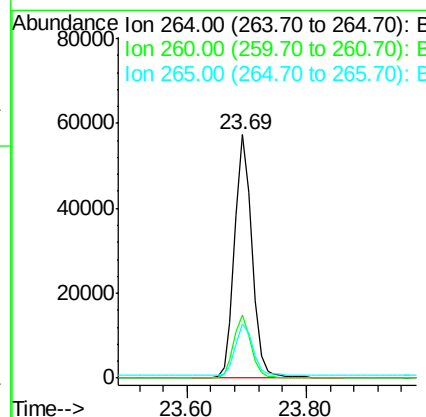
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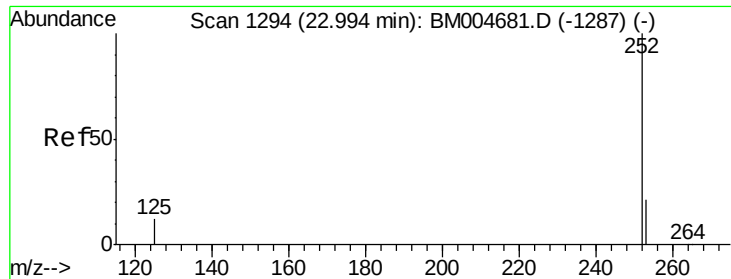
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.69 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: BM004690.D
 Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	21.0	31.4
265	22.2	17.5	26.3





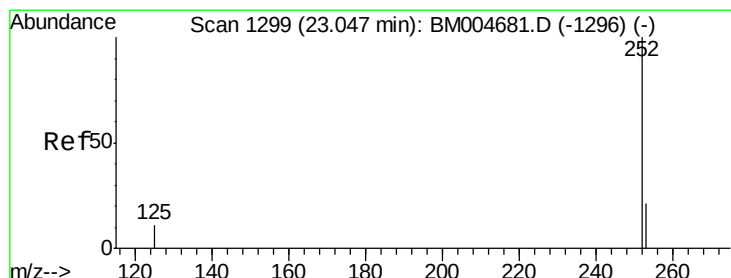
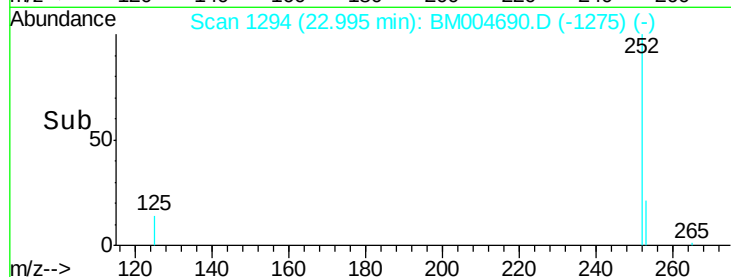
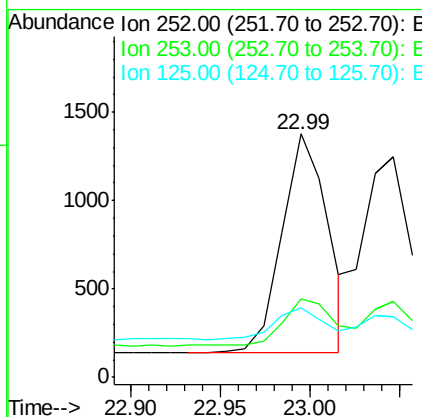
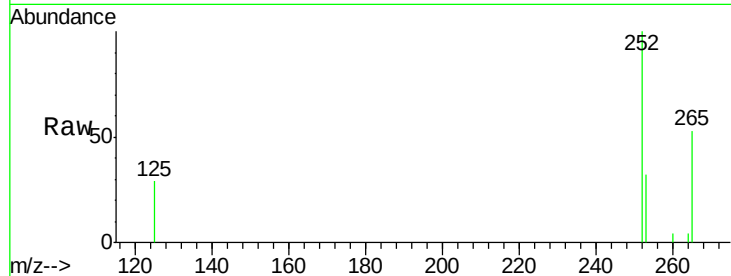
#29
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.99 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Instrument :
BNA_M
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.9	26.9#
125	28.7	11.4	17.0#

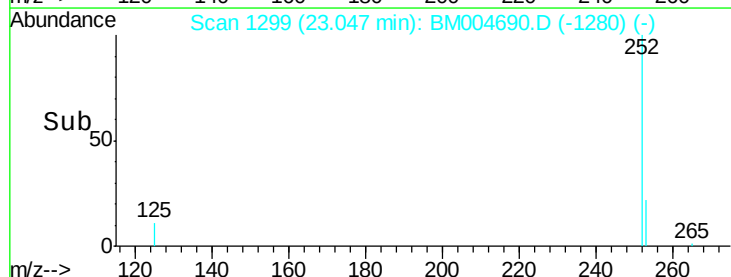
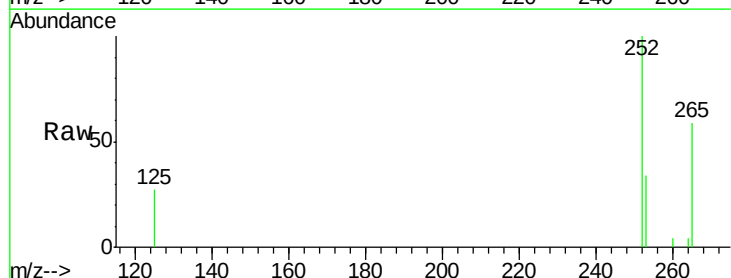
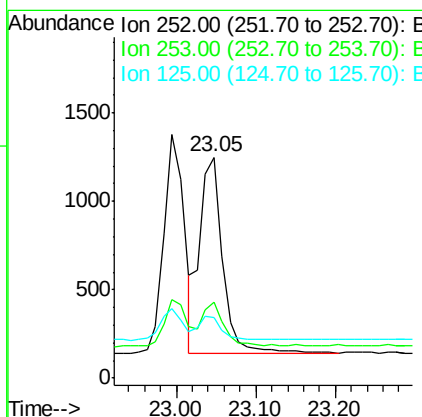
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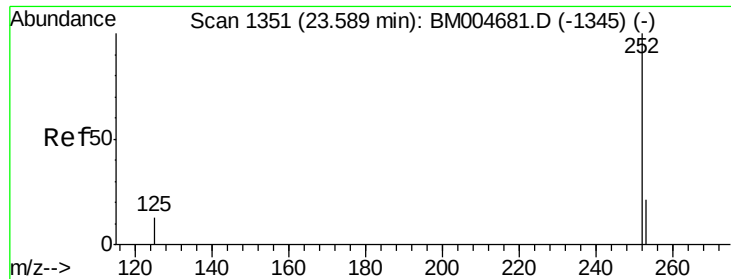
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#30
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 23.05 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BM004690.D
Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.2	19.3	28.9#
125	27.3	10.6	15.8#





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.59 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BM004690.D

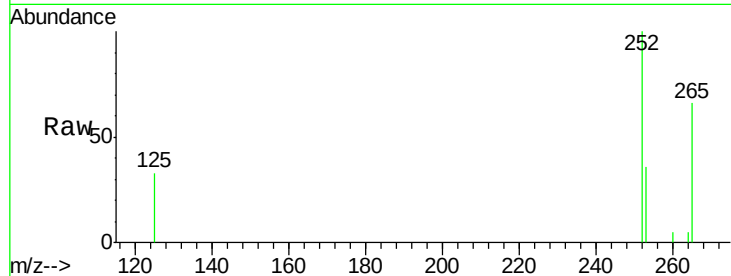
Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

ClientSampleId :

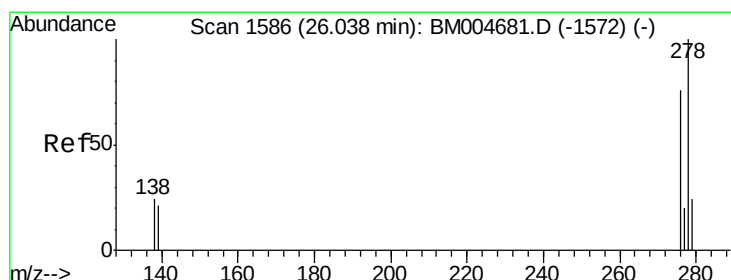
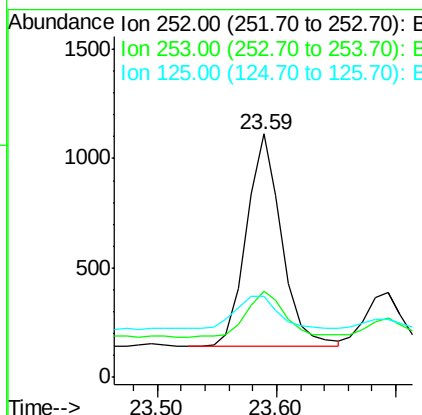
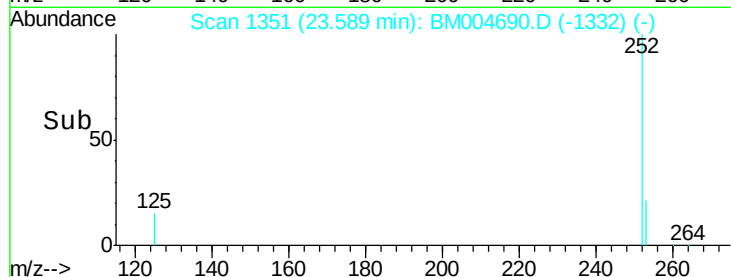
MDL-01-W



Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.6	18.6	28.0#
125	33.1	12.3	18.5#

Manual Integrations
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mohammad
3/21/2016 2:43:23 PM



#32

Dibenzo(a,h)anthracene

Concen: 0.05 ng

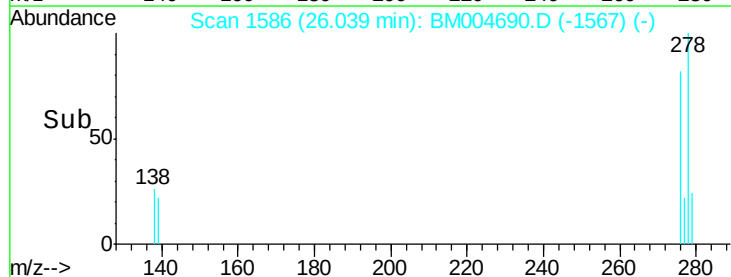
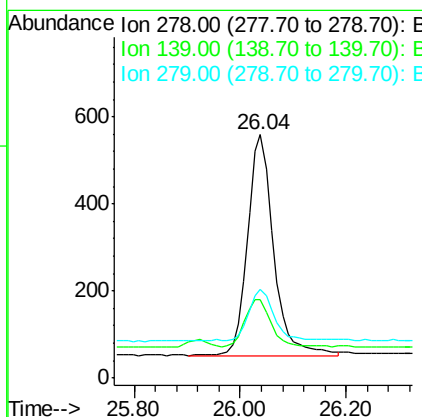
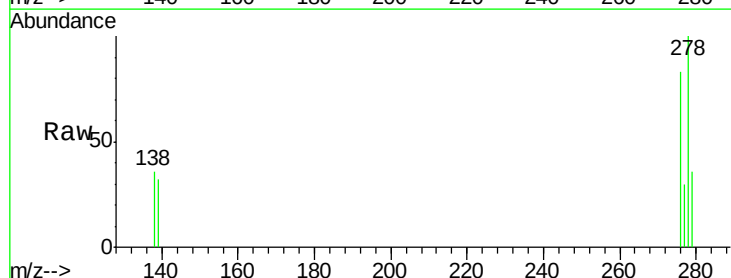
RT: 26.04 min Scan# 1586

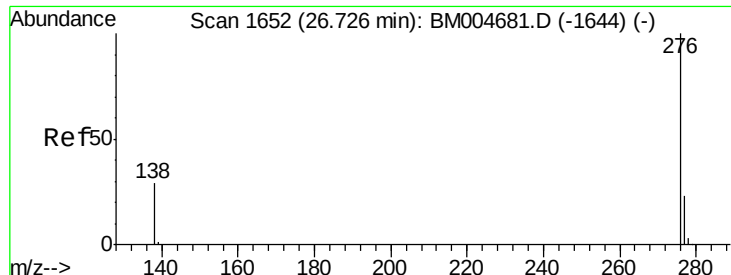
Delta R.T. 0.00 min

Lab File: BM004690.D

Acq: 18 Mar 2016 20:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.2	17.6	26.4#
279	36.5	19.9	29.9#





#33

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 26.73 min Scan# 1652

Delta R.T. 0.00 min

Lab File: BM004690.D

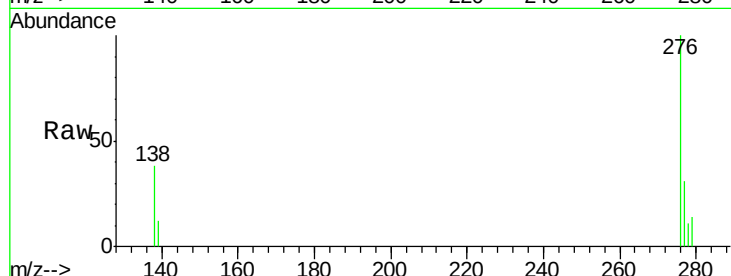
Acq: 18 Mar 2016 20:45

Instrument :

BNA_M

ClientSampleId :

MDL-01-W



Tgt Ion: 276 Resp: 1936

Ion Ratio Lower Upper

276 100

277 30.5 19.1 28.7#

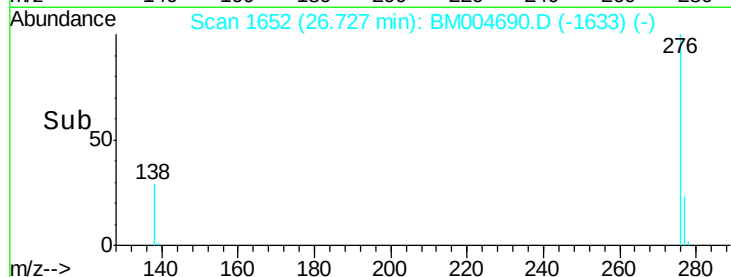
138 37.7 24.5 36.7#

Manual Integrations

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3/21/2016 2:43:23 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

